WO 1996-EP2852   W 19960629
US 1998-981491   A3 19980108

AB   Vacuum rectification of air- and/or temperature-sensitive substances in
      columns containing ordered metal mesh packings includes (1) liquid
      distribution by using channel distributors containing ≥500 (preferably 900-
      1200) draining spots/m2 which are turned by an angle of 90° to the mesh
      position of the packing elements placed directly below the distributors.
      Underneath the liquid distributor, ≥2 packing elements (only 20-100 mm high)
      are placed with the mesh positions turned by 90°. The rectification is done
      in absence of air in an adiabatic mode. Typically, the procedure is suitable
      for purification of vitamin E acetate. Pressure at the column top is 0.5-1
      mbar, and pressure at the column bottom is 1-4 mbar.

=> d his nofil

      (FILE 'HOME' ENTERED AT 14:22:40 ON 17 AUG 2007)

      FILE 'REGISTRY' ENTERED AT 14:22:54 ON 17 AUG 2007
L1   STR   .

      FILE 'CASREACT' ENTERED AT 14:27:41 ON 17 AUG 2007
L2   0 SEA SSS SAM L1 (0 REACTIONS)
L3   0 SEA SSS FUL L1 (0 REACTIONS)

      FILE 'BEILSTEIN' ENTERED AT 14:28:07 ON 17 AUG 2007
L4   STR L1
L5   1 SEA SSS SAM L4
L6   124 SEA SSS FUL L4
L7   124 SEA ABB=ON   PLU=ON   L6/COM
                SEL BRN
L8   124 SEA ABB=ON   PLU=ON   (1895475/RX.PBRN OR 1915438/RX.PBRN OR
                1915439/RX.PBRN OR 1917365/RX.PBRN OR 1917366/RX.PBRN OR
                1993388/RX.PBRN OR 2007257/RX.PBRN OR 2008828/RX.PBRN OR
                2030249/RX.PBRN OR 2033472/RX.PBRN OR 2058778/RX.PBRN OR
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                2058782/RX.PBRN OR 2131033/RX.PBRN OR 2140921/RX.PBRN OR
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                    5280880/RX.PBRN OR 5446951/RX.PBRN OR 5565190/RX.PBRN OR
                    5570370/RX.PBRN OR 5754986/RX.PBRN OR
L9                  STR L1
L10              1  SEA SSS SAM L9
L11            149  SEA SSS FUL L9
L12            148  SEA ABB=ON  PLU=ON  L11/COM
                    SEL BRN
L13            183  SEA ABB=ON  PLU=ON  (1951618/RX.RBRN OR 1959199/RX.RBRN OR
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L14              3  SEA ABB=ON  PLU=ON  L13 AND L8
L15                 STR L1
L16             11  SEA SSS SAM L15
L17            129  SEA SSS FUL L15
L18            129  SEA ABB=ON  PLU=ON  L17/COM
                    SEL BRN
L19            267  SEA ABB=ON  PLU=ON  (2546112/RX.RBRN OR 2869347/RX.RBRN OR
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              6472785/RX.RBRN OR 6472786/RX.RBRN OR 6472787/RX.RBRN OR
              6472829/RX.RBRN OR 6472830/RX.RBRN OR
L20          0 SEA ABB=ON   PLU=ON   L19 AND L13
L21          0 SEA ABB=ON   PLU=ON   L14 AND L19
L22            STR L1


     FILE 'REGISTRY' ENTERED AT 14:37:36 ON 17 AUG 2007
L23          0 SEA ABB=ON   PLU=ON   TRIPHENYLPHOSHINE/CN
               E TRIPHENYLPHOSPHINE/CN
L24          1 SEA ABB=ON   PLU=ON   TRIPHENYLPHOSPHINE/CN
               D SCA
L25            STR L22
L26            STR L25


     FILE 'CASREACT' ENTERED AT 14:39:02 ON 17 AUG 2007
L27          2 SEA SSS SAM L26 (    12 REACTIONS)
               D SCA
L28          9 SEA SSS FUL L26 (    19 REACTIONS)
L29            STR L26
L30          1 SEA SSS SAM L29 (     1 REACTIONS)
L31          1 SEA SSS FUL L29 (     1 REACTIONS)
L32          9 SEA ABB=ON   PLU=ON   L31 OR L28


     FILE 'BEILSTEIN' ENTERED AT 14:41:22 ON 17 AUG 2007
L33            STR
L34         50 SEA SSS SAM L33
L35            STR L33
L36         14 SEA SSS SAM L35
L37            STR L35
L38         10 SEA SSS SAM L37
L39            STR L37
L40         12 SEA SSS SAM L39
L41        545 SEA SSS FUL L39
L42        526 SEA ABB=ON   PLU=ON   L41/COM
               SEL L42 BRN
L43       9250 SEA ABB=ON   PLU=ON   (10219316/RX.RBRN OR 10228975/RX.RBRN OR
              10228976/RX.RBRN OR 10232810/RX.RBRN OR 10233295/RX.RBRN OR
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         4048940/RX.RBRN OR 40506
         D QUE L4
         D QUE L9
L44    19 SEA ABB=ON   PLU=ON   L13 AND L43
         D QUE L15
         SEL BRN L18
L45   112 SEA ABB=ON   PLU=ON   (2546112/RX.PBRN OR 2869347/RX.PBRN OR
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                6472785/RX.PBRN OR 6472786/RX.PBRN OR 6472787/RX.PBRN OR
                6472829/RX.PBRN OR 6472830/RX.PBRN OR
L46          18 SEA ABB=ON   PLU=ON   L45 AND L44
L47             STR
L48           0 SEA SSS SAM L47
L49             STR L47
L50           1 SEA SSS SAM L49
L51      350525 SEA ABB=ON   PLU=ON   C<10 AND O=2
L52           0 SEA SUB=L51 SSS SAM L47
L53           0 SEA SUB=L51 SSS FUL L47
                D QUE
L54     2896234 SEA ABB=ON   PLU=ON   C<20 AND O>2
L55           2 SEA SUB=L54 SSS SAM L47
L56      578724 SEA ABB=ON   PLU=ON   C<10 AND O>2
L57           2 SEA SUB=L56 SSS SAM L47
L58         341 SEA SUB=L56 SSS FUL L47
                SEL BRN
L59         692 SEA ABB=ON   PLU=ON   (10152067/RX.RBRN OR 10152530/RX.RBRN OR
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                1908355/RX.RBRN OR 1909606/RX.RBRN OR 1910532/RX.RBRN OR
                1910533/RX.RBRN OR 1
L60          11 SEA ABB=ON   PLU=ON   L59 AND L19 AND L8
L61          29 SEA ABB=ON   PLU=ON   L46 OR L60
L62           0 SEA ABB=ON   PLU=ON   L61 AND BABSRN
L63           0 SEA ABB=ON   PLU=ON   L61 AND BABSRN/FA
                D COST
                D L61 RX 10
                D L61 IDE 10


        FILE 'CASREACT' ENTERED AT 15:02:59 ON 17 AUG 2007
L64           1 SEA ABB=ON   PLU=ON   WOLLEB?/AU AND L32
                D IBIB
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L65                   STR L1
L66           1 SEA SSS SAM L65  (      1 REACTIONS)
L67           6 SEA SSS FUL L65  (     12 REACTIONS)
L68           1 SEA ABB=ON  PLU=ON  L67 AND L32
L69          14 SEA ABB=ON  PLU=ON  L67 OR L32
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      FILE 'CASREACT' ENTERED AT 15:12:27 ON 17 AUG 2007
                      E EXNER K/AU
                      E MASSONNE K/AU
L70          23 SEA ABB=ON  PLU=ON  ("MASSONNE K"/AU OR "MASSONNE KLEMENS"/AU
                      OR "MASSONNE KLEMES"/AU)
                      E LAAS H/AU
L71          11 SEA ABB=ON  PLU=ON  "LAAS HARALD"/AU
                      E GLAS D/AU
L72           2 SEA ABB=ON  PLU=ON  "GLAS DETLEV"/AU
                      E SZARVAS L/AU
L73          13 SEA ABB=ON  PLU=ON  ("SZARVAS LASLO"/AU OR "SZARVAS LASZLO"/AU)

                      E EXNER K/AU
L74           9 SEA ABB=ON  PLU=ON  ("EXNER KAI"/AU OR "EXNER KAI MICHAEL"/AU)

L75          43 SEA ABB=ON  PLU=ON  (L70 OR L71 OR L72 OR L73 OR L74)
L76           2 SEA ABB=ON  PLU=ON  L75 AND ?VITAMIN?
L77          13 SEA ABB=ON  PLU=ON  L75 AND ?ACETAT?
L78          13 SEA ABB=ON  PLU=ON  L76 OR L77
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      FILE 'CASREACT' ENTERED AT 15:16:01 ON 17 AUG 2007
                      D QUE L69
                      D L69 IBIB ABS CRD TOT
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      FILE 'CAPLUS' ENTERED AT 15:16:58 ON 17 AUG 2007
                      D QUE L78
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      FILE 'CAPLUS' ENTERED AT 15:17:28 ON 17 AUG 2007
                      E EXNER K/AU
L79          32 SEA ABB=ON  PLU=ON  ("EXNER K"/AU OR "EXNER KAI"/AU OR "EXNER
                      KAI MICHAEL"/AU)
                      E MASSONNE K/AU
L80          45 SEA ABB=ON  PLU=ON  ("MASSONNE KLEMENS"/AU OR "MASSONNE
                      KLEMES"/AU)
                      E LAAS H/AU
L81          31 SEA ABB=ON  PLU=ON  ("LAAS H"/AU OR "LAAS HARALD"/AU)
                      E GLAS D/AU
L82          14 SEA ABB=ON  PLU=ON  ("GLAS D"/AU OR "GLAS DETLEV"/AU)
                      E SZARVAS L/AU
L83          16 SEA ABB=ON  PLU=ON  ("SZARVAS LASLO"/AU OR "SZARVAS LASZLO"/AU)

L84         119 SEA ABB=ON  PLU=ON  (L79 OR L80 OR L81 OR L82 OR L83)
L85           6 SEA ABB=ON  PLU=ON  L84 AND ?VITAMIN?
L86          25 SEA ABB=ON  PLU=ON  L84 AND ?ACETAT?
L87           6 SEA ABB=ON  PLU=ON  L85 AND L86
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      FILE 'CAPLUS' ENTERED AT 15:19:25 ON 17 AUG 2007
                      D QUE L87
                      D L87 IBIB ABS TOT
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